



$$\text{Ph}_4\text{MCl}_2 \xrightarrow[\text{THF}]{4\text{Li}} \text{Ph}_4\text{M}^{2-} 2\text{Li}^+ + 2\text{LiCl}$$

$$\text{Ph}_4\text{MCl}_2 + \text{Ph}_4\text{SiLi}_2 \xrightarrow[2) \text{MeOH}]{1) \text{ reflux, 72h}} \text{Macrocycle}$$

FIG. 3

4;  $R^1 = H, R^2 = Me$   
 5;  $R^1 = H, R^2 = Ph$   
 6;  $R^1 = H, R^2 = Me \text{ or } Ph$   
 7;  $R^1 = Ph, R^2 = Ph$   
 8;  $R^1 = H, R^2 = H$

9;  $R^3 = H, R^4 = Me$   
 10;  $R^3 = H, R^4 = Ph$   
 11;  $R^3 = Ph, R^4 = Me \text{ or } Ph$   
 12;  $R^3 = Ph, R^4 = Ph$

**FIG. 4**